Rev. 5/30/01

Effective March 1998

## DECLARATION AND POWER OF ATTORNEY FOR U.S. PATENT APPLICATION

| DECEMBER 1101VIEVD 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | OWER OF THE                                                                                                                                                            | OWNER                                                                                                                                                            | . C.D. 171                                                                | 113141 7111                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1102111011                                                               |
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| ( ) Original                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | () Supplemental                                                                                                                                                        | () Substitute                                                                                                                                                    | (X) PCT                                                                   | ( ) Design                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                          |
| As a below named invent<br>are as stated below next to my<br>only one name is listed below) on<br>the subject matter which is claim                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | name; that I verily<br>r an original, first a                                                                                                                          | believe that I and joint invent                                                                                                                                  | am the origion (if plural                                                 | inal, first and<br>inventors are                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | l sole inventor (i<br>named below) o                                     |
| Title: <u>MECHANOLUMINES</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | CENCE MATERIAI                                                                                                                                                         | AND PROCES                                                                                                                                                       | SS FOR PRO                                                                | DUCING TH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | IE SAME                                                                  |
| of which is described and claime ( ) the attached specification, or ( ) the specification in the applicant with amendments throu (X) the specification in International amended on  I hereby state that I have reincluding the claims, as amended material to patentability as definitional definition of any application of any application for patent or inversion of the state of the second of the sec | cation Serial No gh onal Application No(if a viewed and undered d by any amendment ose to the Patent a ned in Title 37, Code under Title 35, Unit r patent or inventor | (if appl<br>b. PCT/JP2003/<br>applicable).<br>stand the cont<br>at(s) referred to<br>and Trademark<br>e of Federal Reg<br>ted States Code<br>r's certificate lis | ent of the above.  Office all ingulations, '1.  e, '119 (and sted below a | above identifing above identifing the state of the state | ned specification nown to me to be oplication is for a didentified below |
| COUNTRY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | APPLICATI                                                                                                                                                              | ON NO.                                                                                                                                                           | DATE (                                                                    | OF FILING                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | PRIORITY<br>CLAIMED                                                      |
| Janan                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2002-22                                                                                                                                                                | 0493                                                                                                                                                             | July                                                                      | 29 2002                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Vos                                                                      |

| COUNTRY | APPLICATION NO. | DATE OF FILING | PRIORITY<br>CLAIMED |
|---------|-----------------|----------------|---------------------|
| Japan . | 2002-220493     | July 29, 2002  | Yes                 |
|         |                 |                |                     |
|         |                 |                |                     |

I hereby claim the benefit under Title 35, United States Code '120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code '112, I acknowledge the duty to disclose information material to patentability as defined in Title 37, Code of Federal Regulations, '1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application.

| APPLICATION SERIAL NO. | U.S. FILING DATE | STATUS: PATENTED, PENDING,<br>ABANDONED |
|------------------------|------------------|-----------------------------------------|
|                        |                  |                                         |

And I hereby appoint Michael R. Davis, Reg. No. 25,134; Matthew M. Jacob, Reg. No. 25,154; Warren M. Cheek, Jr., Reg. No. 33,367; Nils Pedersen, Reg. No. 33,145; Charles R. Watts, Reg. No. 33,142; and Michael S. Huppert, Reg. No. 40,268, who together constitute the firm of WENDEROTH, LIND & PONACK, L.L.P., as well as any other attorneys and agents associated with Customer No. 000513, to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected therewith.

I hereby authorize the U.S. attorneys and agents named herein to accept and follow instructions from <u>Agata Patent Office</u>, as to any action to be taken in the U.S. Patent and Trademark Office regarding this application without direct communication between the U.S. attorneys and myself. In the event of a change in the persons from whom instructions may be taken, the U.S. attorneys named herein will be so notified by me.

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I further declare that all statements made herein of my own knowledge are true, and that all statements on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

| 1st Inventor Monto Heizara                                                                                        | Date 2 hee. 200 4 |
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| 1st Inventor Nature Stagema  Morito AKIYAMA  2nd Inventor Chao-Nan XU  3rd Inventor Kazuhiro NONAKA  4th Inventor | Date Dee. Z, 2004 |
| 3rd Inventor Kayling Monaha                                                                                       | Date Dec. 2, 2004 |
| 4th Inventor                                                                                                      | Date              |
| 5th Inventor                                                                                                      | Date              |
| 6th Inventor                                                                                                      | Date              |
| 7th Inventor                                                                                                      | Date              |
| The above application may be more particularly identified as follow                                               | vs:               |
| U.S. Application Serial No                                                                                        | Filing Date       |
| Applicant Reference Number                                                                                        | Atty Docket No    |
| Title of Invention                                                                                                |                   |